(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



T INDIA BINGBOTT BIGING NON BOOK BOOK BOOK IN TO BE NAMED BOOK BOOK BOOK IN BOOK IN

(43) International Publication Date 27 October 2005 (27.10.2005)

PCT

BR

(10) International Publication Number WO 2005/100233 A1

(51) International Patent Classification⁷: B67D 3/04, 1/12

(21) International Application Number:

PCT/BR2005/000053

(22) International Filing Date: 12 April 2005 (12.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: PI 0401576-2 13 April 2004 (13.04.2004)

(71) Applicant (for all designated States except US): MULTI-BRÁS S.A. ELETRODOMÉSTICOS [BR/BR]; Avenida das Nações Unidas, 12.995 - 32° andar, 04578-000 São Paulo - SP (BR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AMARAL, Claiton

Emílio do [BR/BR]; Rua Irani, 554 - Floresta, 89211-610 Joinville - SC (BR). BENTO, Edson Isaltino [BR/BR]; Rua Bonito Lindo, 497 - Aventureiro, 89226-100 Joinville - SC (BR).

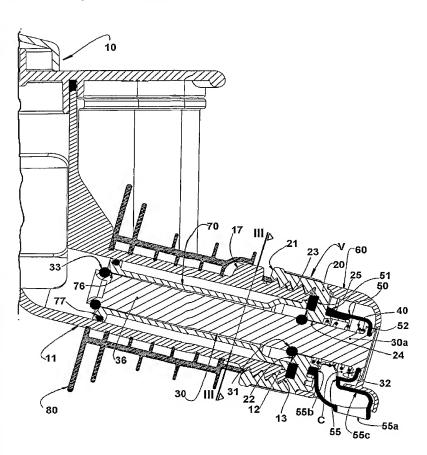
(74) Agents: ARNAUD, Antonio M.P. et al.; Rua José Bonifácio, 93 - 9th floor, 01003-901 São Paulo - SP (BR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: LIQUID DISPENSING VALVE



(57) Abstract: A liquid dispensing valve comprising: a body portion (20) hermetically mounted to a free end (12) of a discharge nozzle (11) of a reservoir (10) and defining a seat (22); a rod (30) carrying a seal (31) and being selectively displaced between a closing position in which the seal (31) is seated on the seat (22), and a maximum opening position in which the seal (31) is spaced from the seat (22); a cap portion (50) hermetically affixed to the body portion (20) downstream the seat (22) and around the rod (30), and defining a discharge chamber (C); and an elongated spout (55) having a discharge end (55a) turned downwards, said cap portion (50) and elongated spout (55) being configured and dimensioned so that, when the seat (22) is closed, the mass of residual liquid contained in the discharge chamber (C) forms, inside the latter, a vacuum which is sufficient to retain said mass of liquid inside the dispensing valve (V).



WO 2005/100233 A1

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.